

In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently amended) A projection screen, comprising:
a substrate; and
a light selective reflection layer which is formed on one side of the substrate, which has reflection characteristics in relation to lights in specific wavelength bands, and which has absorption characteristics in relation to lights other than the lights in the specific wavelength bands, wherein the light selective reflection layer has reflection of 70% or more in relation to the lights in the specific wavelength bands, and has absorptance of 80% or more in relation to the lights other than the lights in the specific wavelength bands.
2. Canceled
3. (Original) A projection screen according to claim 1, wherein the light selective reflection layer is an optical multilayer film made by alternately layering metal films and dielectric films.
4. (Original) A projection screen according to claim 3, wherein the metal films are made of Nb, Al, or Ag.
5. (Currently amended) A projection screen according to claim 3, wherein the dielectric films are made of ~~Nb₂O₅~~ Nb₂O₅, ~~TiO₂~~ TiO₂, ~~Ta₂O₅~~ Ta₂O₅, ~~Al₂O₃~~ Al₂O₃, or ~~SiO₂~~ SiO₂.
6. (Currently amended) ~~A projection screen according to claim 3,~~ A projection screen, comprising:
a substrate; and
a light selective reflection layer which is formed on one side of the substrate, which has reflection characteristics in relation to lights in specific wavelength bands, and which has absorption characteristics in relation to lights other than the lights in the specific wavelength

bands, wherein the light selective reflection layer is an optical multilayer film made by alternately layering metal films and dielectric film, and wherein the light selective reflection layer is made by sequentially layering a first metal film made of Nb, a first dielectric film made of ~~Nb₂O₅~~ Nb₂O₅, a second metal film made of Nb, and a second dielectric film made of ~~Nb₂O₅~~ Nb₂O₅.

7. (Currently amended) ~~A projection screen according to claim 3,~~ A projection screen, comprising:

a substrate; and
a light selective reflection layer which is formed on one side of the substrate, which has reflection characteristics in relation to lights in specific wavelength bands, and which has absorption characteristics in relation to lights other than the lights in the specific wavelength bands, wherein the light selective reflection layer is an optical multilayer film made by alternately layering metal films and dielectric films, and wherein the light selective reflection layer is made by sequentially layering a first metal film made of Al, a first dielectric film made of ~~Nb₂O₅~~ Nb₂O₅, a second metal film made of Nb, and a second dielectric film made of ~~Nb₂O₅~~ Nb₂O₅.

8. (Original) A projection screen according to claim 1, wherein the substrate is made of polymeric materials.

9. (Previously presented) A projection screen according to claim 8, wherein the polymeric materials are chosen from a group consisting of polycarbonate, polyethylene terephthalate, polyethylene naphthalate, polyether sulfone, and polyolefin.

10. (Previously presented) A projection screen according to claim 1, wherein a light diffusion layer is provided on the light selective reflection layer on a side opposite to the substrate.

11. (Previously presented) A projection screen according to claim 1, wherein a light diffusion part, having a plurality of convex parts or a plurality of concave parts is provided on a surface where the light selective reflection layer is formed on the substrate.

12. (Original) A projection screen according to claim 1, wherein the specific wavelength bands include each wavelength band of red light, green light, and blue light.

13. (Previously presented) A projection screen according to claim 1 further comprising an angle correction layer which is formed on the light selective reflection layer on a side opposite to the substrate, and which allows lights to enter in a direction perpendicular to a surface of the light selective reflection layer.

14. (Currently amended) ~~A projection screen according to claim 13,~~ A projection screen, comprising:

a substrate; and
a light selective reflection layer which is formed on one side of the substrate, which has reflection characteristics in relation to lights in specific wavelength bands, and which has absorption characteristics in relation to lights other than the lights in the specific wavelength bands, further comprising an angle correction layer which is formed on the light selective reflection layer on a side opposite to the substrate, and which allows lights to enter in a direction perpendicular to a surface of the light selective reflection layer, wherein the light selective reflection layer has reflectance of 80% or more in relation to the lights in the specific wavelength bands, and transmittancy of 80% or more in relation to at least the lights in a visible wavelength band other than the lights in the specific wavelength bands.

15. (Original) A projection screen according to claim 13, wherein the light selective reflection layer is made of solvent materials.

16. (Previously presented) A projection screen according to claim 15, wherein the solvent materials comprising the light selective reflection layer are cured by heating or illuminating ultraviolet.

17. (Original) A projection screen according to claim 16, wherein the light selective reflection layer is an optical multilayer film made by alternately layering high refractive index films and low refractive index films having lower refractive indices than that of the high refractive index films.

18. (Original) A projection screen according to claim 13, wherein the angle correction layer is processed in the shape of a Fresnel lens.

19. (Original) A projection screen according to claim 13, wherein the substrate is black and has a function as a light absorption layer.

20. (Previously presented) A projection screen according to claim 13, wherein the substrate is transparent, and has a light absorption layer made of blacking on the substrate on a side opposite to the light selective reflection layer.

21. (Original) A projection screen according to claim 13, comprising a light diffusion layer on the angle correction layer on the side opposite to the light selective reflection layer.

22. (Original) A projection screen according to claim 21, wherein the light diffusion layer is a film.

23. (Currently amended) A method of manufacturing a projection screen, comprising a step of forming a light selective reflection layer having reflection characteristics in relation to specific wavelength bands and having absorption characteristics in relation to lights other than the specific wavelength bands lights on a substrate by using spattering, wherein the light selective reflection layer has reflectance of 70% or more in relation to the lights in specific wavelength bands, and absorptance of 80% or more in relation to the lights other than the specific wavelength bands lights.

24. (Canceled)

25. (Original) A method of manufacturing a projection screen according to claim 23, wherein the light selective reflection layer is an optical multilayer film made by alternately layering metal films and dielectric films.

26. (Original) A method of manufacturing a projection screen according to claim 25, wherein the metal films are made of Nb, Al, or Ag.

27. (Currently amended) A method of manufacturing a projection screen according to claim 25, wherein the dielectric films are made of ~~Nb₂O₅~~ Nb₂O₅, ~~TiO₂~~ TiO₂, ~~Ta₂O₅~~ Ta₂O₅, ~~Al₂O₃~~ Al₂O₃ or ~~SiO₂~~ SiO₂.

28. (Currently amended) ~~A method of manufacturing a projection screen according to claim 25,~~ A method of manufacturing a projection screen, comprising a step of forming a light selective reflection layer having reflection characteristics in relation to specific wavelength bands and having absorption characteristics in relation to lights other than the specific wavelength bands lights on a substrate by using sputtering, wherein the light selective reflection layer is an optical multilayer film made by alternately layering metal films and dielectric films, wherein the light selective reflection layer is made by sequentially layering a first metal film made of Nb, a first dielectric film made of ~~Nb₂O₅~~ Nb₂O₅, a second metal film made of Nb, and a second dielectric film made of ~~Nb₂O₅~~ Nb₂O₅.

29. (Currently amended) ~~A method of manufacturing a projection screen according to claim 25,~~ A method of manufacturing a projection screen, comprising a step of forming a light selective reflection layer having reflection characteristics in relation to specific wavelength bands and having absorption characteristics in relation to lights other than the specific wavelength bands lights on a substrate by using sputtering, wherein the light selective reflection layer is an optical multilayer film made by alternately layering metal films and dielectric films, wherein the light selective reflection layer is made by sequentially layering a first metal film made of Al, a first dielectric film made of ~~Nb₂O₅~~ Nb₂O₅, a second metal film made of Nb, and a second dielectric film made of ~~Nb₂O₅~~ Nb₂O₅.

30. (Original) A method of manufacturing a projection screen according to claim 23, wherein the substrate is made of polymeric materials.

31. (Previously presented) A method of manufacturing a projection screen according to claim 30, wherein the polymeric materials are chosen from a group consisting of polycarbonate, polyethylene terephthalate, polyethylene naphthalate, polyether sulfone, and polyolefin.

32. (Original) A method of manufacturing a projection screen according to claim 23, wherein a light diffusion layer is formed on the light selective reflection layer.

33. (Original) A method of manufacturing a projection screen according to claim 23, wherein a light diffusion part having a plurality of convex parts or a plurality of concave parts is formed on a surface of the substrate.

34. (Original) A method of manufacturing a projection screen according to claim 23, wherein the specific wavelength bands contain each wavelength band of red light, green light, and blue light.

35. (Previously presented) A method of manufacturing a projection screen according to claim 23 further comprising the step of forming an angle correction layer, which allows lights to enter in a direction perpendicular to a surface of the light selective reflection layer, on the light selective reflection layer.

36. (Currently amended) ~~A method of manufacturing a projection screen according to claim 35,~~ A method of manufacturing a projection screen, comprising a step of forming a light selective reflection layer having reflection characteristics in relation to specific wavelength bands and having absorption characteristics in relation to lights other than the specific wavelength bands lights on a substrate by using spattering, further comprising the step of forming an angle correction layer, which allows lights to enter in a direction perpendicular to a surface of the light selective reflection layer, on the light selective reflection layer, wherein the

light selective reflection layer has reflectance of 80% or more in relation to lights in the specific wavelength bands, and transmittancy of 80% or more in relation to at least the lights in a visible wavelength band other than the lights in the specific wavelength.

37. (Original) A method of manufacturing a projection screen according to claim 35, wherein the light selective reflection layer is made of solvent materials.

38. (Previously presented) A method of manufacturing a projection screen according to claim 37, wherein solvent materials comprising the light selective reflection layer are cured by heating or illuminating ultraviolet.

39. (Original) A method of manufacturing a projection screen according to claim 38, wherein the light selective reflection layer is an optical multilayer film made by alternately layering high refractive index films and low refractive index films having lower refractive indices than that of the high refractive index films.

40. (Original) A method of manufacturing a projection screen according to claim 35, wherein the angle correction layer is processed in the shape of the Fresnel lens.

41. (Previously presented) A method of manufacturing a projection screen according to claim 35, wherein the substrate is black and has a function as a light absorption layer.

42. (Original) A method of manufacturing a projection screen according to claim 35, wherein the substrate is transparent, and a light absorption layer made of blacking is formed under the substrate.

43. (Previously presented) A method of manufacturing a projection screen according to claim 35 further comprising the step of forming a light diffusion layer on the light reflection layer.

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44. (Original) A method of manufacturing a projection screen according to claim 43, wherein the light diffusion layer is a film.